



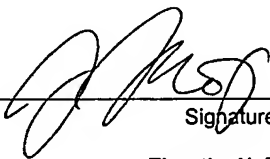
Data Code: AP.PRE.REQ

PTO/SB/33 (07/05)

Approved for use through xx/xx/200x. OMB 0651-00xx

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PRE-APPEAL BRIEF REQUEST FOR REVIEW		Docket Number (Optional)	
		ITL.1099US (P18549)	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR on <u>January 16, 2007</u> Signature <u>Cynthia L. Hayden</u> Typed or printed name <u>Cynthia L. Hayden</u>		Application Number	Filed
		10/814,402	March 31, 2004
		First Named Inventor	
		Achintya K. Bhowmik	
		Art Unit	Examiner
		2873	Jessica T. Stultz
Applicant requests review of the final rejection in the above-identified application. No amendments are being filed with this request.			
This request is being filed with a notice of appeal.			
The review is requested for the reason(s) stated on the attached sheet(s). Note: No more than five (5) pages may be provided.			
I am the			
<input type="checkbox"/> applicant/inventor.		Signature	
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)		Timothy N. Trop	
<input checked="" type="checkbox"/> attorney or agent of record.		Typed or printed name	
Registration number <u>28,994</u>		(713) 468-8880	
		Telephone number	
<input type="checkbox"/> attorney or agent acting under 37 CFR 1.34.		January 16, 2007	
Registration number if acting under 37 CFR 1.34 _____		Date	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.			



*Total of 1 forms are submitted.

This collection of information is required by 35 U.S.C. 132. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Achintya K. Bhowmik

Serial No.: 10/814,402

Filed: March 31, 2004

For: Single Crystal Electro-Optic
Film on Silicon Imager

§
§
§
§
§
§
§
§

Art Unit: 2873

Examiner: Jessica T. Stultz

Docket: ITL.1099US
P18549

Assignee: Intel Corporation

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT IN SUPPORT OF
PRE-APPEAL BRIEF REQUEST FOR REVIEW

Sir:

Pre-appeal review is requested in view of the following remarks.

Claim 1 calls for displaying an image. It is not seen how anything in the cited Takano reference teaches displaying an image. The purpose of Takano is to detect defects of wires on a wiring board wherein the optical sensor includes a film of polymer non-linear optical material. See the title.

The cited material at column 16, lines 15-39 cannot reasonably be called any kind of a display. The sensor head is moved by the plane transfer means "to observe a voltage applied to a wire at an arbitrary location on a wiring board." See column 16, lines 15-17. When the wiring board is defect free, an electric field is applied to the thin film 14 of the polymer non-linear optical material in a portion of which the wires exist and the double refractive index of the thin film of the polymer varies depending on the electrical field causing "a voltage generated by the photoelectric

Date of Deposit: January 16, 2007

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Cynthia L. Hayden
Cynthia L. Hayden

transducer to change depending on the changing amount.” Thus, there is no display and there is no image that is displayed. Instead, a voltage is detected.

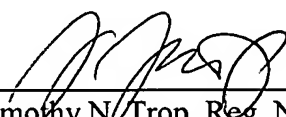
Conversely, no electric field is generated in a portion in which no wires exist and the index of the film 14 does not vary so “the voltage generated by the transducer 46 does not change either.”

A distribution of the voltages detected by the detecting means is displayed on image processing display means (not shown) of the signal processing unit 104, such as a computer. Thus, all that is depicted are the voltages generated by the photoelectric transducer 46. The second order non-linear electro-optic effect is not used to display any image. The optical effect causes a voltage generated by the photoelectric transducer to change. This cannot reasonably be said to be displaying an image using a second order non-linear optical effect because no image is generated using that effect. The only images that are generated are to display a voltage generated by another element.

Therefore, reconsideration is requested.

Respectfully submitted,

Date: January 16, 2007



Timothy N. Trop, Reg. No. 28,994
TROP, PRUNER & HU, P.C.
1616 South Voss Road, Suite 750
Houston, TX 77057-2631
713/468-8880 [Phone]
713/468-8883 [Fax]

Attorneys for Intel Corporation